WHAT IS CLAIMED IS:

1	1	A liquid	ejection	head	comprising:
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- a metallic chamber formation plate, having a first region in which a plurality of pressure generating chambers are formed, and a second region in which a plurality of dents are formed; and
- a metallic nozzle plate, formed with a plurality of nozzles, the nozzle plate joined to the chamber formation plate such that each of the nozzles is communicated with one of the pressure generating chambers.
- 1 2. The liquid ejection head as set forth in claim 1, wherein the dents are formed on at least one of main faces of the chamber formation plate.
- The liquid ejection head as set forth in claim 2, wherein a position of one of the dents formed on one main face of the chamber formation plate is made coincident with a position of one of the dents formed on the other main face of the chamber formation plate, when viewed from one of the main faces.
- 1 4. The liquid ejection head as set forth in claim 1, wherein each of the dents has a pyramidal shape.
- 5. The liquid ejection head as set forth in claim 1, wherein each of thedents has a conical shape.

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- 1 6. The liquid ejection head as set forth in claim 1, wherein a size of each
- 2 of the dents is not greater than a thickness of the chamber formation plate.
- 1 7. The liquid ejection head as set forth in claim 1, wherein each of dents
- 2 is formed at a portion where is away from the first region by a distance not less
- 3 than a thickness of the chamber formation plate.
- 1 8. The liquid ejection head as set forth in claim 1, wherein the dents are
- 2 arranged with an interval which is substantially equal to a thickness of the
- 3 chamber formation plate.
- 1 9. The liquid ejection head as set forth in claim 1, wherein the chamber
- 2 formation plate is comprised of nickel.
- 1 10. The liquid ejection head as set forth in claim 1, wherein the first region
- 2 is located at a center portion of the chamber formation chamber while being
- 3 surrounded by the second region.
- 1 11. The liquid ejection head as set forth in claim 10, wherein the dents
- 2 are formed at positions opposed to each other with the first region between.
- 1 12. The liquid ejection head as set forth in claim 1, wherein the pressure
- 2 generating chamber are arranged with an interval which is not greater than
- 3 0.3mm.

- 1 13. The liquid ejection head as set forth in claim 1, wherein the first region 2 and the second region are partly overlapped at a third region adjacent to both
- 3 longitudinal ends of the pressure generating chambers.
- 1 14. The liquid ejection head as set forth in claim 13, wherein the dents in 2 the third region are arranged with a fixed pitch which is two to five times as 3 great as a pitch of which the pressure generating chamber is arranged side by 4 side.
- 1 15. The liquid ejection head as set forth in claim 1, wherein the second region is provided with a length which is two to five times as great as a pitch of which the pressure generating chamber is arranged side by side.
 - 16. A method of manufacturing a liquid ejection apparatus, comprising steps of:
- 3 providing a metal board;

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- subjecting the metal board to a plastic working to form a plurality of recesses on a first face in a first region of the metal board;
 - punching through holes so as to communicate the recesses and a second face of the metal board;
 - subjecting the metal board to a plastic working to form a plurality of dents in a second region of the meal board;
- joining a metallic sealing plate onto the first face of the metal board so as to seal the recesses; and
- joining a metallic nozzle plate formed with nozzles, onto the second

- face of the metal board, such that each of the nozzles is communicated with
- 14 one of the through holes.
 - 1 17. The manufacturing method as set forth in claim 16, wherein the dents
 - 2 are so formed as to extend in a thickness direction of the metal board.
 - 1 18. The manufacturing method as set forth in claim 16, wherein the dents
 - 2 are formed on one of the first face and the second face which has been an
 - 3 inner side of the metal board curved by the plastic working for forming the
 - 4 recesses.
 - 1 19. The manufacturing method as set forth in claim 18, wherein the dents
 - 2 are formed on both of the first face and the second face.
 - 1 20. The manufacturing method as set forth in claim 16, further comprising
 - 2 a step of polishing the metal board so as to leave the dents thereon, before the
 - 3 sealing plate and the nozzle plate are joined to the metal board.
 - 1 21. The manufacturing method as set forth in claim 20, wherein the metal
 - 2 board and the sealing plate are joined with adhesive agent, while excess
 - 3 adhesive agent is received by the dents.
 - 1 22. The manufacturing method as set forth in claim 21, wherein the first
 - 2 region and the second region are so arranged as to partly overlap at a third
 - 3 region adjacent to both longitudinal ends of the recesses.

- 1 23. The manufacturing method as set forth in claim 16, wherein the
- 2 plastic working for forming the dents are performed before the plastic working
- 3 for forming the recesses.
- 1 24. The manufacturing method as set forth in claim 20, wherein the dents
- 2 are formed such that a polished amount in the first region and a polished
- 3 amount of the second region are made identical.

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